SPECIFICATION:

Title: Systems for Enhancing Communications of ~~Content~~ Information Over a Network

Specification:

[0066] 2) clients (~~aka~~ also known as consumer)

[0219] RevBots 6 can be installed on any given number of ~~website~~ websites and start operating immediately, even without RevBot Receivers 16 and RevBot Efficiency Servers 17. In this case, the search engine computing platforms would have no special knowledge about RevBots 6 and their functions. RevBots 6 would still request changes be made to search engine databases, essentially simulating what a human being might do to achieve the same result. Then, they could verify whether the appropriate change was made. If not, they can continue to make requests. At any point during this process, the RevBots 6 could provide status reports to the website administrators.

[0230] For fee-based content access, RevBot operators who may or may not be independent from the ~~webstite~~ website administrators can obtain a portion of various payments such as the service of notifying search engines, especially about restricted content. In the preferred embodiment, payments to the RevBot operator are provided by a portion of payments made by clients to access the restricted content (e.g. from micropayments) or a fee collected directly from the website owner or operator.

[0237] As discussed above, this invention provides a number of significant features and advantages for organizing and promoting content across a computer network. This invention eliminates significant delays in the update of search engine databases relating to website content changes, including content additions and deletions. It speeds up the processes of searching and recalling information, and it allows network clients such as consumers to obtain more appropriate, up-to-date content and information and to optionally receive ongoing updates. The addition of active logic to a website in the form of a RevBot is the key to improving the management of network content. RevBots protect website contents by performing content validation, limiting, filtering and blocking operations, and they augment website content by injecting additional content into the content data stream. They improve network performance and data security by efficiently executing their operations local to the website instead of by using a remote process that would require additional, possibly unsecured,

network traffic. Because RevBots perform content request validation and establish secure communication pathways, they improve the performance of ~~e-commerce~~ e-commerce, DRM platforms, and regular commerce especially in the realm of physical distribution. Because they are independent from the website they supervise and can communicate using secure communication protocols, they assist in maintaining content integrity, network security and personal privacy. RevBots supervise and act on website requests, initiate network requests in support of their own operations, and monitor for certain conditions that should be logged or reported. Different configurations of RevBots can be designed to work within and expand beyond established network topologies. Two other components of the invention, the RevBot Receiver for search engine computing platforms and RevBot Efficiency Servers can optionally further enhance RevBot and network performance.